

DESCRIPTION

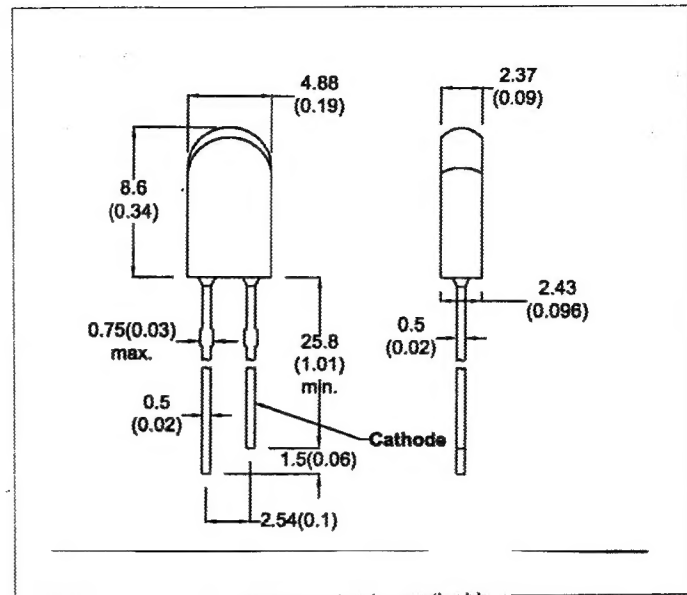
MSB81 Series are GaP/GaP red LED lamp with 2.37x4.88mm round rectangular bars.

MSB81C is red chip with red transparent lens.

MSB81D is red chip with red diffused lens.

MSB81T is red chip with clear transparent lens.

MSB81W is red chip with clear diffused lens.



- All dimension in mm(inch)
- No Scale
- Tol. : +/-0.3mm

ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C

45mW

Forward Current, DC (IF)

15mA

Reverse Voltage

5V

Operating & Storage Temperature Range

-55 to +100°C

Lead Temperature

260°C

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

| PARAMETER | SYMBOL | MSB81C | MSB81D | MSB81T | MSB81W | UNIT | CONDITIONS |
|---------------------------|------------|--------|--------|--------|--------|--------|------------|
| Forward Voltage | MAX VF | 3.0 | 3.0 | 3.0 | 3.0 | V | IF=20mA |
| Reverse Breakdown Voltage | MIN BVR | 5 | 5 | 5 | 5 | V | IR=100μA |
| Luminous Intensity | MIN IV | 4 | 2.8 | 4 | 2.8 | mcd | IF=10mA |
| | TYP | 7 | 3.8 | 7 | 3.8 | mcd | IF=10mA |
| Peak Wavelength | TYP λp | 700 | 700 | 700 | 700 | nm | IF=20mA |
| Spectral Line Half Width | TYP Δλ | 100 | 100 | 100 | 100 | nm | IF=20mA |
| Viewing Angle | TYP 2θ 1/2 | 16 | 124 | 16 | 124 | degree | IF=20mA |



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